

**From:** [Walzer, Thomas](#)  
**To:** [Moore, Gary](#)  
**Subject:** RE: CES Tables  
**Date:** Thursday, December 04, 2014 2:57:42 PM  
**Attachments:** [removed.txt](#)

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Yes, Cecilia mentioned that after I sent the my last email. I have separated the air samples to residential and industrial. I missed that they had combined. Looking at Text and Tables to confirm they match.



**Thomas Walzer**

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**From:** Moore, Gary [mailto:Moore.Gary@epa.gov]

**Sent:** Thursday, December 04, 2014 2:53 PM

**To:** Walzer, Thomas

**Subject:** RE: CES Tables

I just extended this yesterday so have someone check EAS.

Thanks

**Gary Moore**

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**From:** Walzer, Thomas [mailto:T.A.Walzer@WestonSolutions.com]

**Sent:** Thursday, December 04, 2014 12:25 PM

**To:** Moore, Gary

**Subject:** RE: CES Tables

Also it looks like we have \$ 17,000 to \$ 18,000 budget left. The draft report was due yesterday but we already submitted and are addressing comments for final Report, due 01/02/2015. I need to check but I think other costs (lab and expendables) have hit the project.



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**From:** Walzer, Thomas

**Sent:** Thursday, December 04, 2014 12:15 PM

**To:** 'Moore, Gary'

**Subject:** RE: CES Tables

By total package you mean text and attachments?



**From:** Moore, Gary

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**Sent:** Wednesday, December 03, 2014 12:13 AM

**To:** Walzer, Thomas

**Subject:** Re: CES Tables

**It needs to be clear which Summas were taken in the residential area and which on the industrial area. I think I am ok with everything else. I just need to get the entire package again to review in total.**

**Also, how much time do we have left on the TDD.**

**Thanks**

**Gary Moore**

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**From:** Walzer, Thomas <[T.A.Walzer@WestonSolutions.com](mailto:T.A.Walzer@WestonSolutions.com)>

**Sent:** Tuesday, December 2, 2014 5:09 PM

**To:** Moore, Gary

**Cc:** Bercher, Corey; Tighe, C. Daniel; Crow, David

**Subject:** RE: CES Tables

Gary;

As you requested I deleted the comparison values from the waste table to be used in the report (see PDF file). For your use I attached the Excel version of the Waste Table with the comparison values in place.



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[http://www.epa.gov/osw/hazard/testmethods/faq/faq\\_tclp.htm](http://www.epa.gov/osw/hazard/testmethods/faq/faq_tclp.htm)

## **Total Constituent Analysis Instead of TCLP Analysis**

**Question:** Is it acceptable to perform a total constituent analysis instead of a TCLP analysis and then divide the total concentration by 20 to determine if a waste is non-hazardous, as is implied in Section 1.2 of Method 1311, TCLP?

**Answer:** Section 1.2 of the TCLP *does* allow for a total constituent analysis in lieu of the TCLP extraction. If a waste is 100%

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**From:** Walzer, Thomas

**Sent:** Tuesday, December 02, 2014 4:17 PM

**To:** 'Moore, Gary'

**Cc:** Bercher, Corey; Tighe, C. Daniel; Crow, David

**Subject:** RE: CES Tables

I only identified changes in the waste table and made those (See attached).

One question does the TCLP X20 rule apply to liquid water matrix material? Based on the information I found below, I thought that only applied to solid matrix materials.

solid, as defined by the TCLP method, then the results of the total constituent analysis may be divided by twenty to convert the total results into the maximum leachable concentration. This factor is derived from the 20:1 liquid-to-solid ratio employed in the TCLP. If a waste has filterable liquid, then the concentration of the analyte in each phase (liquid and solid) must be determined. The following equation may be used to calculate this value:

$$\frac{[A \times B] + [C \times D]}{B + [20 (L/kg) \times D]} = E$$



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**From:** Moore, Gary [<mailto:Moore.Gary@epa.gov>]

**Sent:** Friday, November 28, 2014 11:03 AM

**To:** Walzer, Thomas

**Subject:** RE: CES Tables

Tom:

Please see the table as I made some additional changes.

Thanks

**Gary Moore**

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**From:** Walzer, Thomas [<mailto:T.A.Walzer@WestonSolutions.com>]

**Sent:** Wednesday, November 26, 2014 8:20 AM

**To:** Moore, Gary

**Cc:** Thibodeaux, Denece; Crow, David

**Subject:** CES Tables



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This message contained an attachment which the administrator has caused to be removed.

\*\*\*\*\* ATTACHMENT REMOVED  
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Attachment name: [image001.jpg]  
Attachment type: [image/jpeg]